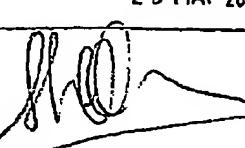


INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000428

A. CLASSIFICATION OF SUBJECT MATTER		
Int. CL ? C01B 39/02, 39/46		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Derwent Online Abstracts, JAPIO Patent Abstracts of Japan, CAPLUS Chemical Abstracts Online, USPTO full text (internet), esp@cenet (internet) and Google (Internet) searches for "Zeolite N", "N Zeolite," "N-type Zeolite" and similar search terms.		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A X	Barer, et. al., "The Hydrothermal Chemistry of the Silicates. Part III, Reactions of Analcite and Leucite," JOURNAL OF THE CHEMICAL SOCIETY, 1953, pp 1466-1475.	1-30 31-64
A X	Barer, et. al., "The Hydrothermal Chemistry of the Silicates. Part VII, Synthetic Potassium Aluminosilicates," JOURNAL OF THE CHEMICAL SOCIETY, 1956, pp 2882-2891.	1-30 31-64
A X	Barer et. al., "The Hydrothermal Chemistry of the Silicates. Part XV, Synthesis and Nature of Some Salt-bearing Aluminosilicates," JOURNAL OF THE CHEMICAL SOCIETY, 1970, pp 2735-2745.	1-30 31-64
A X	Christensen, et. al., "Crystal Structure Determination of Zeolite N from Synchrotron X-Ray Powder Diffraction Data," ACTA CHEMICA SCANDINAVICA, Vol. 51 (1997), pages 969-973.	1-30 31-64
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C		<input checked="" type="checkbox"/> See patent family annex
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search 17 May 2004	Date of mailing of the international search report 20 MAY 2004	
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  GRAEME J. BROXAM Telephone No : (02) 6283 2133	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000428

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A X	Christensen, et. al., "Neutron Powder Diffraction Study of the Dehydration of Zeolite N," ACTA CHEMICA SCANDINAVICA, Vol. 53 (1999), pages 85-89.	1-30 31-64
1-64	GB 1039345 A (SOCONY MOBIL OIL COMPANY INC) 17 August 1966 See whole document.	A
1-64	US 3306922 A (BARRER et. al.) 28 February 1967 and See whole document.	A
1-64	US 3414602 A (ACARA) 3 December 1968 See whole document.	A
1-64	US 2996358 (MILTON) 15 August 1961 See whole document.	A
1-64	US 4091079 (VAUGHAN) 23 May 1978 See whole document.	A
1-64	US 6218329 B (SINGH et. al.) 17 April 2001	A

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000428

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:

because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:

because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-30 relate to a specific method of making Zeolite N
2. Claims 31-64 relate to Zeolite N characterised by its formula and uses thereof, not limited to its method of preparation.

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000428

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member			
GB	1039345	CH	424740	DE	1467133	
US	3306922	CH	424739	CH	454803	DE 1467187
		DE	1792734	DE	1792735	DE 1792736
		GB	1005949	GB	1005950	
US	3414602					
US	2996358					
US	4091079					
US	6218329	AU	37371/95	AU	37372/95	BR 9509504
		BR	9509505	CA	2201925	CA 2201926
		CN	1161679	CN	1161680	EP 0797541
		EP	0797542	HK	1002761	HK 1002762
		IN	185687	IN	188161	NZ 294538
		NZ	294539	US	6200919	WO 9618576
		WO	9618577	ZA	9509003	ZA 9509004

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX